

Municipality/Organization: LONDONDERRY, NEW HAMPSHIRE

EPA NPDES Permit Number: NHR041012004 APR 29 P 9:49

MaDEP Transmittal Number: W-

Annual Report Number

& Reporting Period: No. 1: March 03-March 04

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

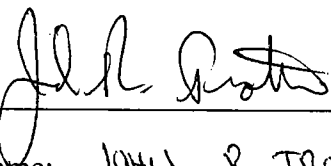
Contact Person: JOHN R. TROTTER Title: ASST. DIRECTOR OF PUBLIC WORKS
& ENGINEERING

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Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature:



Printed Name: JOHN R. TROTTER

Title: ASST. DIRECTOR OF PUBLIC WORKS & ENGINEERING

Date: 4/29/04

Part II. Self-Assessment

The Town of Londonderry has completed the required self assessment and has determined that our municipality is in compliance with all permit conditions, except for the following:

- Part 1B The Town has obtained informational videos but they have not been run on Cable Access TV. The Department of Public Works will schedule time to run the videos as part of our planned activities for Year 2.
- Part 1C The Town has not yet developed and run two Cable TV advertisements. The Department of Public Works will develop and run two Cable TV advertisements as part of our planned activities for Year 2.
- Part 1D The Town has obtained posters but they have not been posted at Town facilities. The Department of Public Works will post information as part of our planned activities for Year 2.
- Part 5C The Town has not implemented updated regulations to address NHDES Phase II including long term maintenance. The Department of Public Works will work with the Planning Department to modify the regulations to address long term maintenance as part of our planned activities for Year 2.

Part III. Summary of Minimum Control Measures

1. Public Education and Outreach

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
1A	Prepare annual stormwater report	DPW/ J. Czyzowski/ J. Trottier	Maintain and update for continuity of report. Keep copies and distribute annually.	Report completed and filed for Year 1.	Prepare Year 2 stormwater report.
Revised					
1B	Obtain and run informational videos on local cable TV	DPW/Local Cable Access TV	Monitor feedback for effectiveness and incorporate in report	Videos have been obtained but have not been run on Cable Access TV.	Run videos on Cable Access TV.
Revised					
1C	Develop and run two cable TV advertisements per year	DPW/ J. Czyzowski/ J. Trottier	Monitor feedback for effectiveness and incorporate in report	Not complete.	Complete in Year 2.
Revised					
1D	Obtain brochures and posters and make available at Town Hall, Library and Schools, and Old Home Days.	DPW/J. Trottier	Monitor feedback for effectiveness and incorporate in report	Posters have been obtained but have not been posted at Town facilities.	Post all information in Year 2.
Revised					
Revised					
Revised					

1a. Additions

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
2A	Establish and publish a stormwater hotline number	DPW/ J. Czyzowski/ J. Trottier	Report on program	Not part of planned activities in Year 1.	Outline program to establish a stormwater hotline number.
Revised					
2B	Identify volunteer resources and establish an Advisory Committee	DPW/ J. Czyzowski/ J. Trottier	Report on volunteer resources	Not part of planned activities in Year 1.	Identify volunteer resources.
Revised					
2C	Partner with NHDOT	DPW/ J. Czyzowski/ J. Trottier	Meet twice per year	Met five (5) times in Year 1.	Continue meeting on regular schedule.
Revised					
2D	Partner with City of Manchester/Manchester Airport	DPW/ J. Czyzowski/ J. Trottier	Meet twice per year	Met five (5) times with City of Manchester in Year 1.	Continue meeting on regular schedule.
Revised					
Revised					

2a. Additions

3. Illicit Discharge Detection and Elimination

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BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
3A	Map existing watersheds, drain systems, and outfalls	DPW/ J. Czyzowski/ J. Trottier	Create map	Mapping of system is complete subject to final checking.	Complete final checking, produce final base map.
Revised					
3D	Develop ordinances to address illicit discharges	DPW/ J. Czyzowski/ J. Trottier	Implement ordinances	Not part of planned activities for Year 1.	Develop ordinances for modification to the Town's regulations. Anticipate that regulations will be modified in Year 2.
Revised					
Revised					
Revised					
Revised					

3a. Additions

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
4A	Establish regulations and ordinances to require erosion control	DPW/ J. Czyzowski/ J. Trottier	Regulations already implemented with February 20, 2002 Subdivision Regulations and August 14, 2002 Site Plan Regulations	Continue to enforce regulations for all projects coming before the Planning Board.	Continue in Year 2.
Revised					
4B	Establish regulations and ordinances for inspection guidelines and procedures for construction sites	DPW/ J. Czyzowski/ J. Trottier	Regulations already implemented/ inspection program ongoing	Continue to enforce regulations and require inspections for all projects coming before the Planning Board.	Continue in Year 2.
Revised					
4C	Modifications to regulations for EPA-NPDES Phase II	DPW/ J. Czyzowski/ J. Trottier	Implement updated regulations	Regulations have not been formally modified, however, Planning Board review requires note on plan which requires filing of NPDES Phase II permit by contractor for each project submitted for approval by Town's Planning Board and Town also conducts follow-up observations during construction.	Anticipate regulations will be modified in Year 2.
Revised					
Revised					
Revised					

Revised					

4a. Additions

5. Post-Construction Stormwater Management in New Development and Redevelopment

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
5A	Establish regulations and ordinances to address storm water runoff	DPW/ J. Czyzowski/ J. Trottier	Regulations already implemented with February 20, 2003 Subdivision Regulations and August 14, 2002 Site Plan Regulations	Continue to enforce regulations for all projects coming before the Planning Board.	Continue in Year 2.
Revised					
5B	Establish regulations and ordinances for inspection guidelines and procedures for stormwater	DPW/ J. Czyzowski/ J. Trottier	Regulations already implemented, inspection program ongoing	Continue to enforce regulations and require inspections for all projects coming before the Planning Board.	Continue in Year 2.
Revised					
5C	Develop modifications to regulations for EPA-NPDES Phase II including ordinance for long-term maintenance	DPW/ J. Czyzowski/ J. Trottier	Implement updated regulations	Not complete.	Anticipate will develop ordinance and modify regulations to address long-term maintenance.
Revised					
Revised					

5a. Additions

6. Pollution Prevention and Good Housekeeping in Municipal Operations

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
6A	Roadside swale cleaning program	DPW/ J. Czyzowski/ J. Trottier	Report on length of swale cleaned yearly	Swales cleaned on an as-needed basis without tracking length.	Develop system to track length of swale cleaned yearly.
Revised					
6B	Catchbasin cleaning program	DPW/ J. Czyzowski/ J. Trottier	Report on number of basins cleaned yearly	Basins cleaned on an as-needed basis without tracking number.	Develop system to track number of basins cleaned yearly.
Revised					
6C	Roadway street cleaning program	DPW/ J. Czyzowski/ J. Trottier	Report on miles of roadway swept each year	Roadways cleaned and swept as needed without tracking mileage.	Develop system to track number of miles of roadway cleaned and swept yearly.
Revised					
6D	Household hazardous waste collection day	DPW/ J. Czyzowski/ J. Trottier	Report on type and number of wastes collected each year	Typical wastes collected in 2003 included batteries, paints and varnishes, pesticides and aerosols.	Continue same in Year 2.
Revised					
6E	Continuous oil collection at Central Fire Station	DPW/ J. Czyzowski/ J. Trottier	Report on gallons of oil collected each year	Total oil collected in 2003 equal to 2,532 gallons.	Continue same in Year 2.
Revised					
6F	Develop a litter management plan and education program (informational fact sheet)	DPW/ J. Czyzowski/ J. Trottier	Report on development of litter management plan and program	Not part of planned activities in Year 1.	Develop litter management plan and program.
Revised					

6G	Develop and modify program for inspection of all drain systems and stormwater systems	DPW/ J. Czyzowski/ J. Trottier	Report on program	Not part of planned activities in Year 1.	Develop and outline program for inspection of drain systems.
Revised					

6a. Additions

7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA) (Not Applicable)

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

7a. Additions

7b. WLA Assessment

Part IV. Summary of Information Collected and Analyzed

The Town conducted a major effort to map the existing drain system in the designated MS4 areas in Year 1. The roadway network was mapped using aerial photography and in excess of 3000 data points were collected for the storm drain systems.

Part V. Program Outputs & Accomplishments (OPTIONAL - Not completed for Year 1)

Programmatic

Stormwater management position created/staffed	(y/n)	
Annual program budget/expenditures	(\$)	

Education, Involvement, and Training

Estimated number of residents reached by education program(s)	(# or %)	
Stormwater management committee established	(y/n)	
Stream teams established or supported	(# or y/n)	
Shoreline clean-up participation or quantity of shoreline miles cleaned	(y/n or mi.)	
Household Hazardous Waste Collection Days		
▪ days sponsored	(#)	
▪ community participation	(%)	
▪ material collected	(tons or gal)	
School curricula implemented	(y/n)	

Legal/Regulatory

	In Place Prior to Phase II	Under Review	Drafted	Adopted
Regulatory Mechanism Status (indicate with "X")				
▪ Illicit Discharge Detection & Elimination				
▪ Erosion & Sediment Control				
▪ Post-Development Stormwater Management				
Accompanying Regulation Status (indicate with "X")				
▪ Illicit Discharge Detection & Elimination				
▪ Erosion & Sediment Control				
▪ Post-Development Stormwater Management				

Mapping and Illicit Discharges

Outfall mapping complete	(%)	
Estimated or actual number of outfalls	(#)	
System-Wide mapping complete	(%)	
Mapping method(s)		
▪ Paper/Mylar	(%)	
▪ CADD	(%)	
▪ GIS	(%)	
Outfalls inspected/screened	(# or %)	
Illicit discharges identified	(#)	
Illicit connections removed	(#) (est. gpd)	
% of population on sewer	(%)	
% of population on septic systems	(%)	

Construction

Number of construction starts (>1-acre)	(#)	
Estimated percentage of construction starts adequately regulated for erosion and sediment control	(%)	
Site inspections completed	(# or %)	
Tickets/Stop work orders issued	(# or %)	
Fines collected	(# and \$)	
Complaints/concerns received from public	(#)	

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	
Site inspections completed	(# or %)	
Estimated volume of stormwater recharged	(gpy)	

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	(times/yr)	
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	
Total number of structures cleaned	(#)	
Storm drain cleaned	(LF or mi.)	
Qty. of screenings/debris removed from storm sewer infrastructure	(lbs. or tons)	
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		
Cost of screenings disposal	(\$)	

Average frequency of street sweeping (non-commercial/non-arterial streets)	(times/yr)	
Average frequency of street sweeping (commercial/arterial or other critical streets)	(times/yr)	
Qty. of sand/debris collected by sweeping	(lbs. or tons)	
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	(location)	
Cost of sweepings disposal	(\$)	
Vacuum street sweepers purchased/leased	(#)	
Vacuum street sweepers specified in contracts	(y/n)	
Reduction in application on public land of: ("N/A" = never used; "100%" = elimination)		
▪ Fertilizers	(lbs. or %)	
▪ Herbicides	(lbs. or %)	
▪ Pesticides	(lbs. or %)	
Anti-/De-Icing products and ratios	% NaCl % CaCl ₂ % MgCl ₂ % CMA % Kac % KCl % Sand	
Pre-wetting techniques utilized	(y/n)	
Manual control spreaders used	(y/n)	
Automatic or Zero-velocity spreaders used	(y/n)	
Estimated net reduction in typical year salt application	(lbs. or %)	
Salt pile(s) covered in storage shed(s)	(y/n)	
Storage shed(s) in design or under construction	(y/n)	